# **Model**

*Package in package ''*

Model

Version Phase 1.0 Proposed

samra created on 10/7/2020. Last modified 10/7/2020

## **Hotel\_Reservation\_System**

*Package in package 'Model'*

Hotel\_Reservation\_System

Version 1.0 Phase 1.0 Proposed

samra created on 10/7/2020. Last modified 10/7/2020

### **Hotel\_Reservation\_System diagram**

*Class diagram in package 'Hotel\_Reservation\_System'*

Hotel\_Reservation\_System

Version 1.0

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Hotel\_Reservation\_System

### **Bill**

*Class in package 'Hotel\_Reservation\_System'*

Bill

Version 1.0 Phase 1.0 Proposed

samra created on 10/7/2020. Last modified 10/7/2020

| **ATTRIBUTES** |
| --- |
| Bill\_no : int Private  [ Is static True. Containment is Not Specified. ] |

|  |
| --- |
| CustomerName : String Private  [ Is static True. Containment is Not Specified. ] |

| **ASSOCIATIONS** | |
| --- | --- |
| Association (direction: Unspecified) | |
| Source: Public (Class) Bill | Target: Public (Class) Customer |

|  |  |
| --- | --- |
| Association (direction: Unspecified) | |
| Source: Public (Class) Bill | Target: Public (Class) Receptionist |

### **Chef**

*Class in package 'Hotel\_Reservation\_System'*

Chef

Version 1.0 Phase 1.0 Proposed

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| **OUTGOING STRUCTURAL RELATIONSHIPS** |
| --- |
| Aggregation from Chef to Manager  [ Direction is 'Source -> Destination'. ] |

| **ATTRIBUTES** |
| --- |
| Address : String Private  [ Is static True. Containment is Not Specified. ] |

|  |
| --- |
| id : int Private  [ Is static True. Containment is Not Specified. ] |

|  |
| --- |
| Name : String Private  [ Is static True. Containment is Not Specified. ] |

| **ASSOCIATIONS** | |
| --- | --- |
| Association (direction: Unspecified) | |
| Source: Public (Class) Chef | Target: Public (Class) FoodItems |

| **OPERATIONS** |
| --- |
| TakeOrders () : void Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |

### **Class1**

*Class in package 'Hotel\_Reservation\_System'*

Class1

Version 1.0 Phase 1.0 Proposed

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### **Customer**

*Class in package 'Hotel\_Reservation\_System'*

Customer

Version 1.0 Phase 1.0 Proposed

samra created on 10/7/2020. Last modified 10/7/2020

| **ATTRIBUTES** |
| --- |
| Address : String Private  [ Is static True. Containment is Not Specified. ] |

|  |
| --- |
| id : int Private  [ Is static True. Containment is Not Specified. ] |

|  |
| --- |
| Name : String Private  [ Is static True. Containment is Not Specified. ] |

|  |
| --- |
| phone\_no : int Private  [ Is static True. Containment is Not Specified. ] |

|  |
| --- |
| Room\_no : int Private  [ Is static True. Containment is Not Specified. ] |

| **ASSOCIATIONS** | |
| --- | --- |
| Association (direction: Unspecified) | |
| Source: Public (Class) Customer | Target: Public (Class) FoodItems |

|  |  |
| --- | --- |
| Association (direction: Unspecified) | |
| Source: Public (Class) Customer | Target: Public (Class) Rooms |

|  |  |
| --- | --- |
| Association (direction: Unspecified) | |
| Source: Public (Class) inventory | Target: Public (Class) Customer |

|  |  |
| --- | --- |
| Association (direction: Unspecified) | |
| Source: Public (Class) Bill | Target: Public (Class) Customer |

| **OPERATIONS** |
| --- |
| Checkin () : void Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |

|  |
| --- |
| Checkout () : void Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |

|  |
| --- |
| OrderFoodItem () : void Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |

|  |
| --- |
| paysBill () : void Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |

### **FoodItems**

*Class in package 'Hotel\_Reservation\_System'*

FoodItems

Version 1.0 Phase 1.0 Proposed

samra created on 10/7/2020. Last modified 10/7/2020

| **OUTGOING STRUCTURAL RELATIONSHIPS** |
| --- |
| Aggregation from FoodItems to HouseKeeping  [ Direction is 'Source -> Destination'. ] |

| **ATTRIBUTES** |
| --- |
| id : int Private  [ Is static True. Containment is Not Specified. ] |

|  |
| --- |
| Name : String Private  [ Is static True. Containment is Not Specified. ] |

| **ASSOCIATIONS** | |
| --- | --- |
| Association (direction: Unspecified) | |
| Source: Public (Class) Customer | Target: Public (Class) FoodItems |

|  |  |
| --- | --- |
| Association (direction: Unspecified) | |
| Source: Public (Class) Chef | Target: Public (Class) FoodItems |

### **HouseKeeping**

*Class in package 'Hotel\_Reservation\_System'*

HouseKeeping

Version 1.0 Phase 1.0 Proposed

samra created on 10/7/2020. Last modified 10/7/2020

| **INCOMING STRUCTURAL RELATIONSHIPS** |
| --- |
| Aggregation from FoodItems to HouseKeeping  [ Direction is 'Source -> Destination'. ] |

| **ATTRIBUTES** |
| --- |
| Address : String Private  [ Is static True. Containment is Not Specified. ] |

|  |
| --- |
| id : int Private  [ Is static True. Containment is Not Specified. ] |

|  |
| --- |
| Name : String Private  [ Is static True. Containment is Not Specified. ] |

| **OPERATIONS** |
| --- |
| CleanRoom () : void Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |

### **inventory**

*Class in package 'Hotel\_Reservation\_System'*

inventory

Version 1.0 Phase 1.0 Proposed

samra created on 10/7/2020. Last modified 10/7/2020

| **ATTRIBUTES** |
| --- |
| Status : String Private  [ Is static True. Containment is Not Specified. ] |

|  |
| --- |
| Type : String Private  [ Is static True. Containment is Not Specified. ] |

| **ASSOCIATIONS** | |
| --- | --- |
| Association (direction: Unspecified) | |
| Source: Public (Class) inventory | Target: Public (Class) Customer |

|  |  |
| --- | --- |
| Association (direction: Unspecified) | |
| Source: Public (Class) Manager | Target: Public (Class) inventory |

### **Manager**

*Class in package 'Hotel\_Reservation\_System'*

Manager

Version 1.0 Phase 1.0 Proposed

samra created on 10/7/2020. Last modified 10/7/2020

| **INCOMING STRUCTURAL RELATIONSHIPS** |
| --- |
| Aggregation from Chef to Manager  [ Direction is 'Source -> Destination'. ] |

| **ATTRIBUTES** |
| --- |
| Address : String Private  [ Is static True. Containment is Not Specified. ] |

|  |
| --- |
| Name : String Private  [ Is static True. Containment is Not Specified. ] |

|  |
| --- |
| phoneno : int Private  [ Is static True. Containment is Not Specified. ] |

| **ASSOCIATIONS** | |
| --- | --- |
| Association (direction: Unspecified) | |
| Source: Public (Class) Manager | Target: Public (Class) inventory |

| **OPERATIONS** |
| --- |
| ManageStaff () : void Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |

|  |
| --- |
| phursaseInventory () : void Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |

|  |
| --- |
| RecordComplaints () : void Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |

### **Receptionist**

*Class in package 'Hotel\_Reservation\_System'*

Receptionist

Version 1.0 Phase 1.0 Proposed

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| **ATTRIBUTES** |
| --- |
| Address : String Private  [ Is static True. Containment is Not Specified. ] |

|  |
| --- |
| id : int Private  [ Is static True. Containment is Not Specified. ] |

|  |
| --- |
| Name : String Private  [ Is static True. Containment is Not Specified. ] |

|  |
| --- |
| phone\_no : int Private  [ Is static True. Containment is Not Specified. ] |

| **ASSOCIATIONS** | |
| --- | --- |
| Association (direction: Unspecified) | |
| Source: Public (Class) Rooms | Target: Public (Class) Receptionist |

|  |  |
| --- | --- |
| Association (direction: Unspecified) | |
| Source: Public (Class) Bill | Target: Public (Class) Receptionist |

| **OPERATIONS** |
| --- |
| AcceptCustomerFeedback() () : void Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |

|  |
| --- |
| BookRoom () : void Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |

|  |
| --- |
| CheckRoomAvailability () : void Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |

|  |
| --- |
| GenerateBill () : void Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |

### **Rooms**

*Class in package 'Hotel\_Reservation\_System'*

Rooms

Version 1.0 Phase 1.0 Proposed

samra created on 10/7/2020. Last modified 10/7/2020

| **ATTRIBUTES** |
| --- |
| Address : String Private  [ Is static True. Containment is Not Specified. ] |

|  |
| --- |
| Room\_no : int Private  [ Is static True. Containment is Not Specified. ] |

| **ASSOCIATIONS** | |
| --- | --- |
| Association (direction: Unspecified) | |
| Source: Public (Class) Rooms | Target: Public (Class) Receptionist |

|  |  |
| --- | --- |
| Association (direction: Unspecified) | |
| Source: Public (Class) Customer | Target: Public (Class) Rooms |